## A New Total Station Tracking GPS Satellites in a Network RTK Infrastructure Perspective

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## **SUMMARY**

There is no doubt that GPS has introduced a disruptive change in the way we are surveying. A surveyor can today rivals in term of precision positioning with his geodesist colleague as they are using the same technology. There is no more need for dense control networks; the GPS Reference Station infrastructures have substituted the passive network concept to the new active one.

An ongoing trend is engaged to shortcut systematically the surveying process. With the integration of GPS and total station technologies we are assisting today a new paradigm shift. Wireless modems, Internet and number crunching servers are now replacing the conventional geodetic control points the RTK-DGPS corrections are now considered as the basis product for new profitable services articulated within different business models.

More alone on the field than yesterday, the surveyor is now only focus to survey!